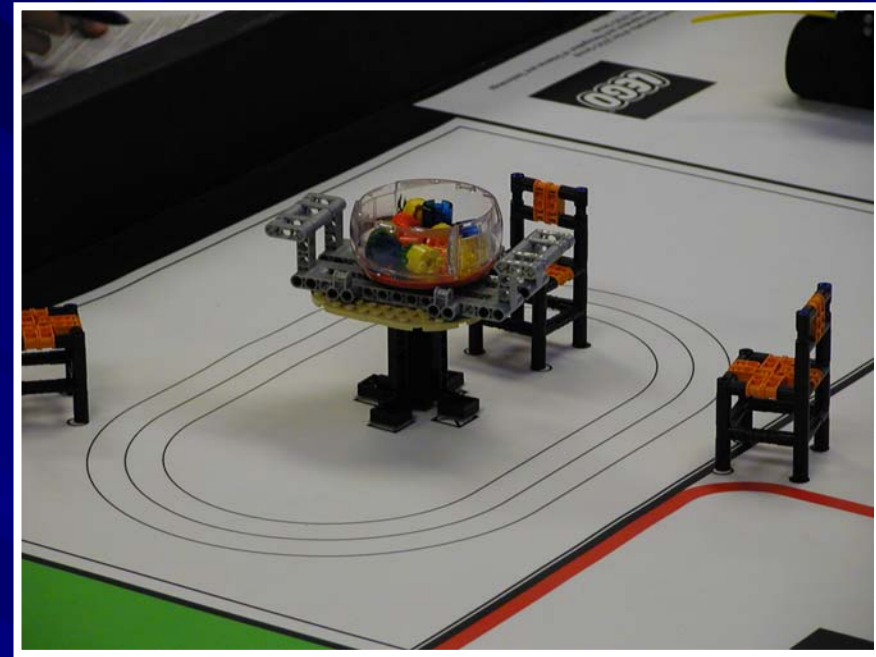
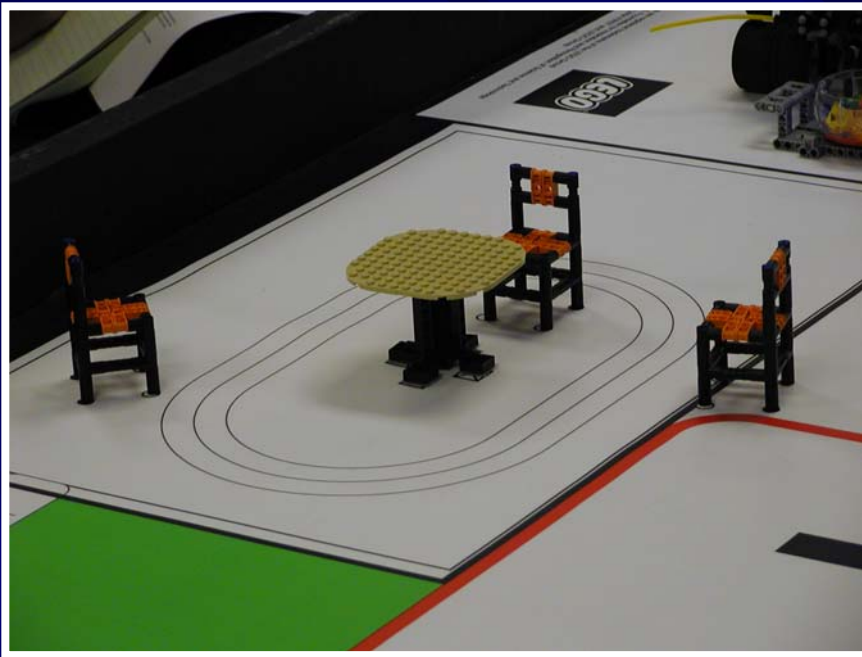


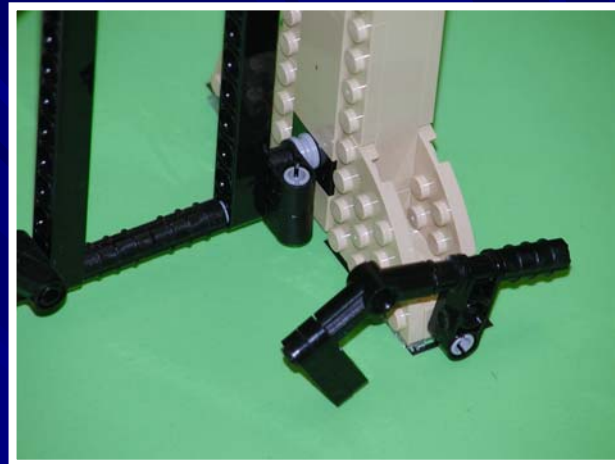
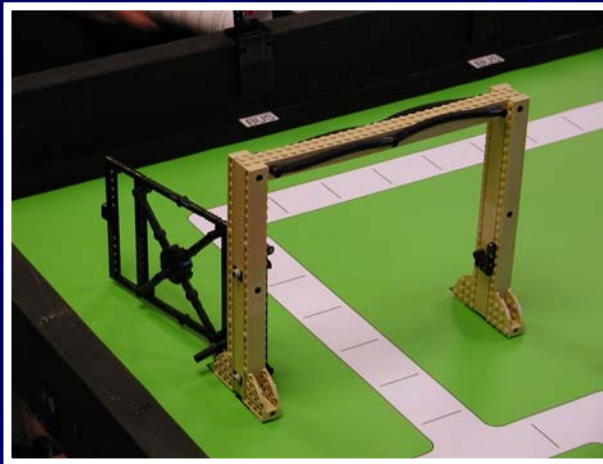
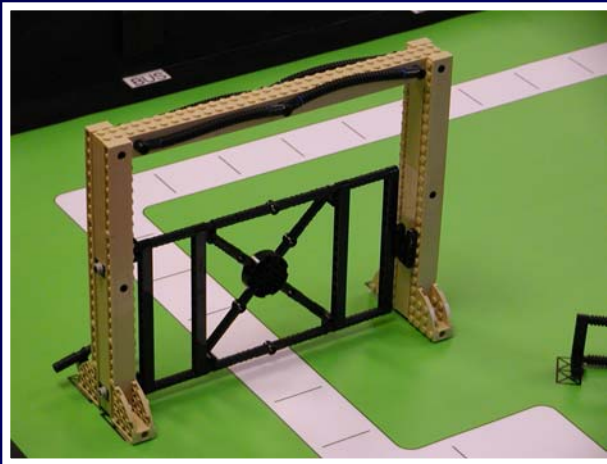


# 2004 NO LIMITS Challenge

## Missions and Scoring



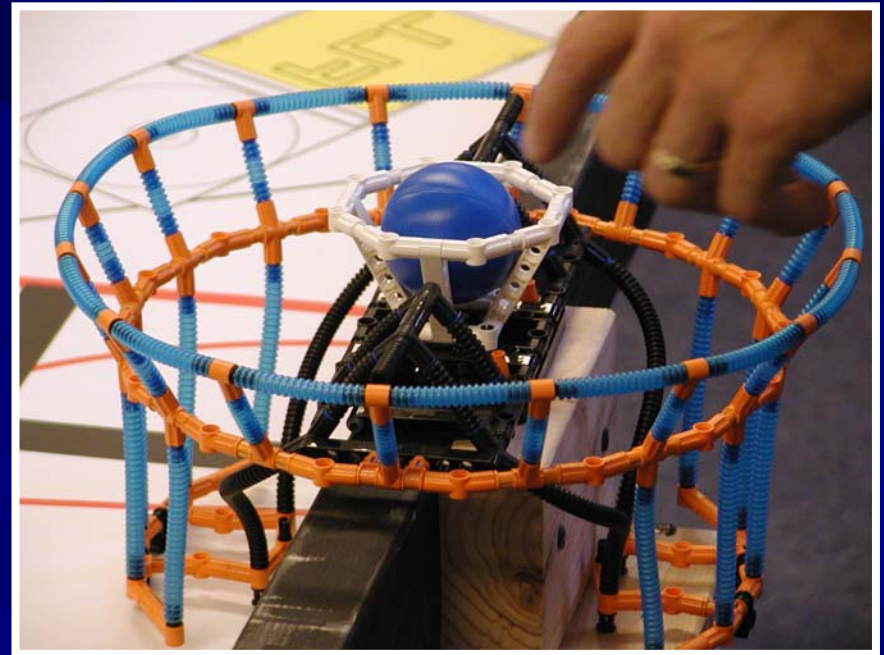
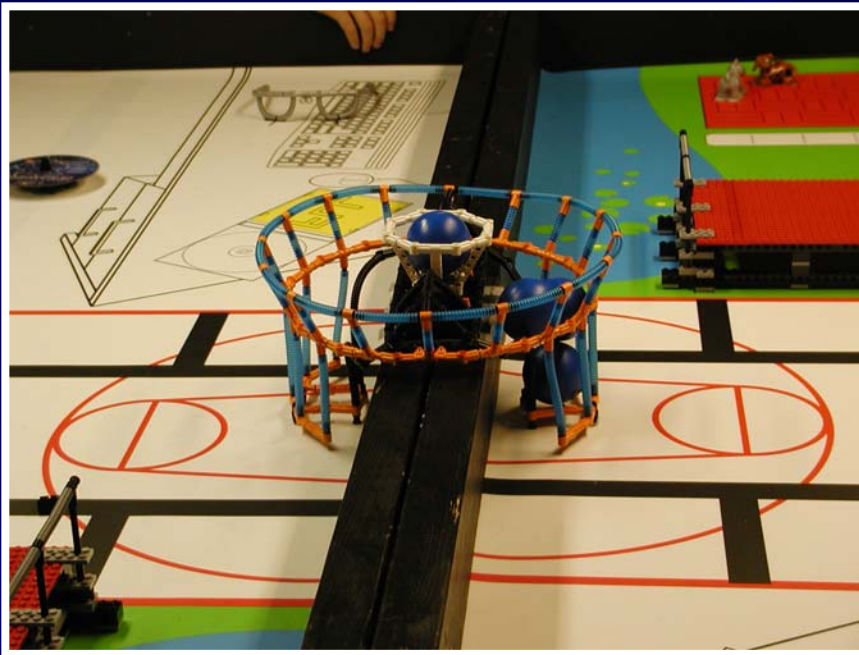
- **Serve Dinner:** The robot must move the Food from Base onto the dinner Table. For full points, the Bowl must stay on the Tray, and all the Food must stay in the Bowl. For partial points, only the Bowl with some Food in it needs to be delivered. In either case, no additional parts can be combined with the delivery to secure or contain it.
- **45 Points (Full)**
- **35 Points (Partial)**



■ **Open the Gate:** The Robot must open the Gate so that it is locked open by its retaining hook for full points. Opening the Gate partially is worth partial points.

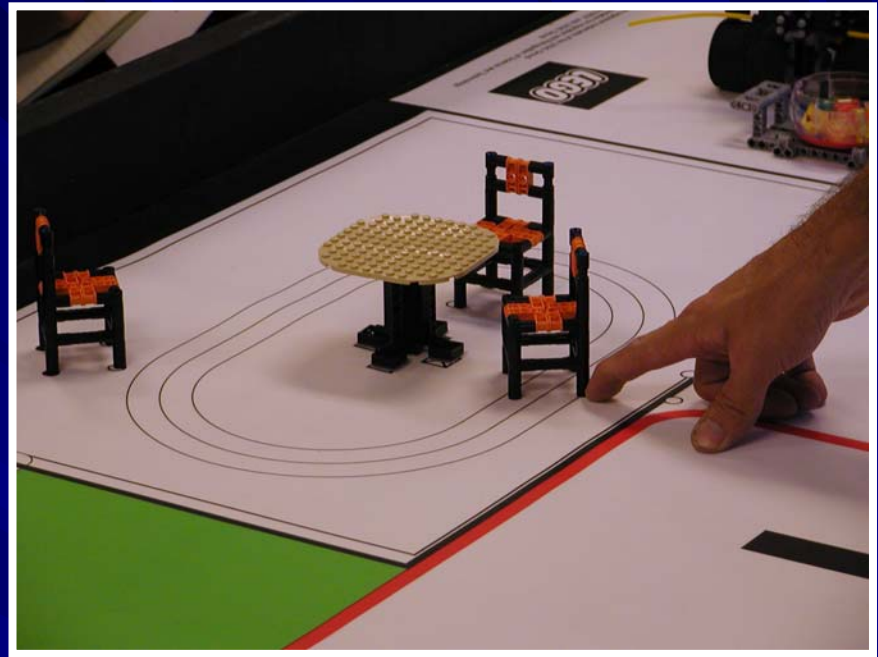
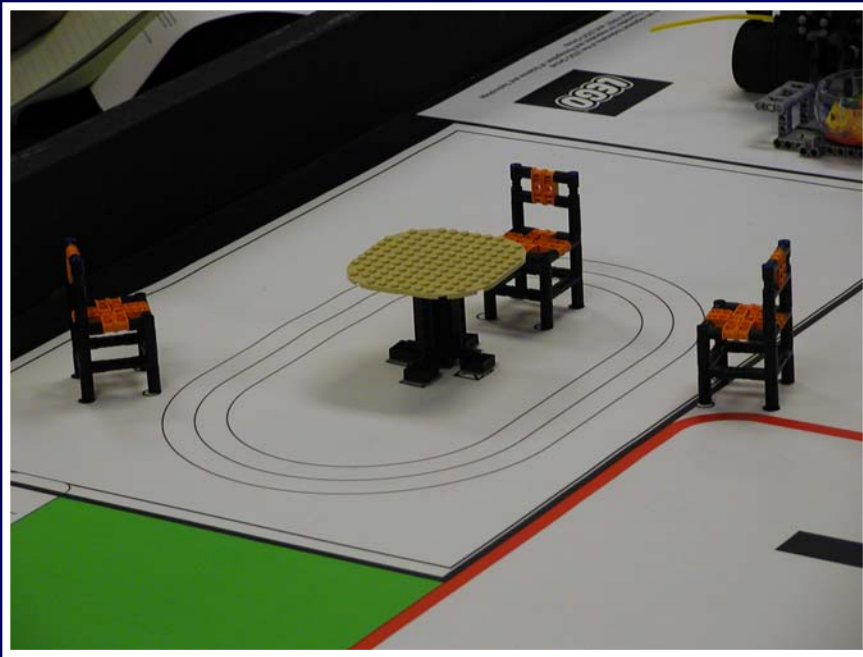
■ **35 Points (Full)**

■ **20 Points (Partial)**



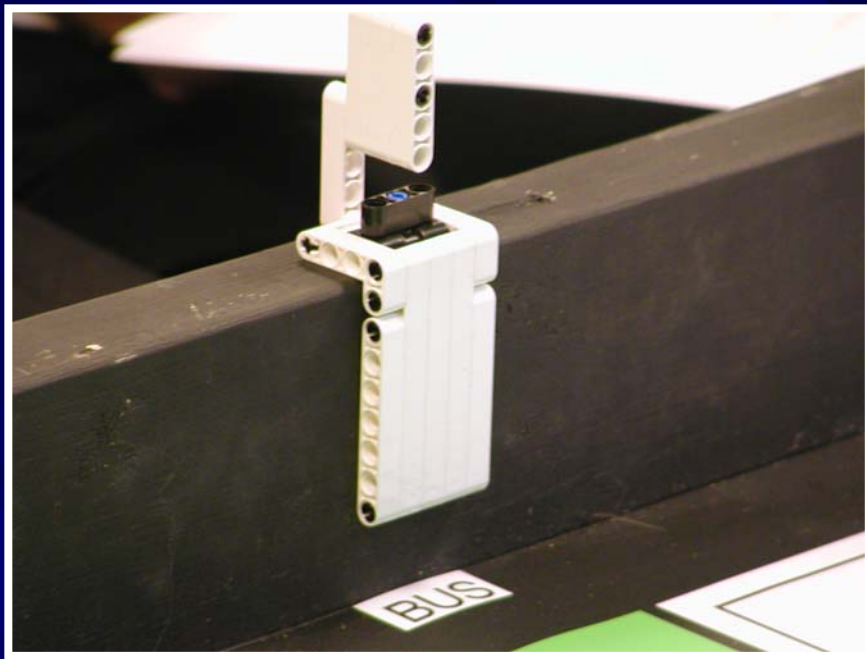
- **Play Ball:** The Robot must move Balls into the Basket. Balls in your side of the Basket from either team are worth points to your team only. Your color Ball in the center ring is worth points to your team only. The Robot can only leave Base with one Ball at a time and each of the 8 Balls can only leave Base once.
- **5 Points (Each Ball in Your Side of the Basket)**
- **50 Points (Your Ball in the Center Ring)**



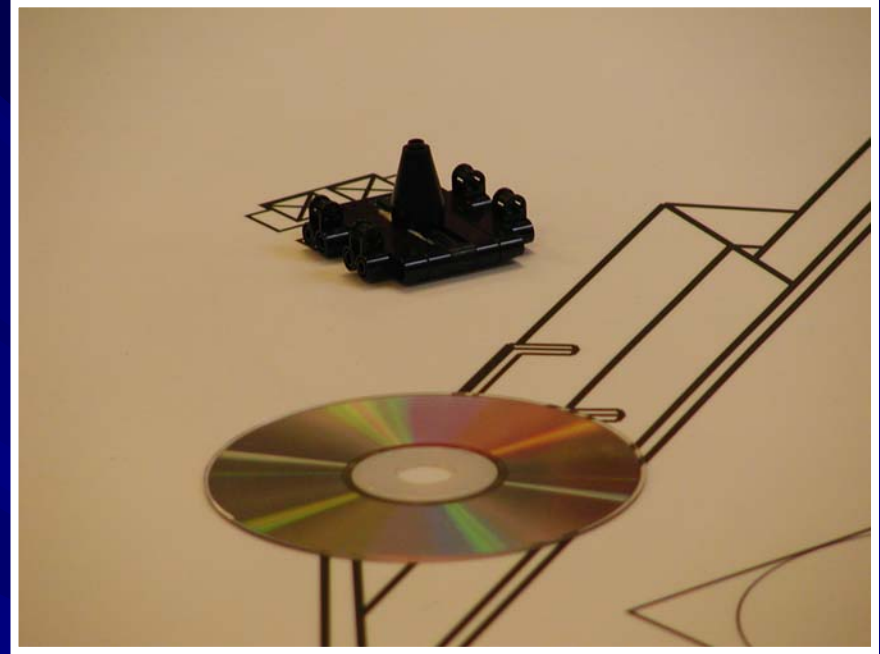
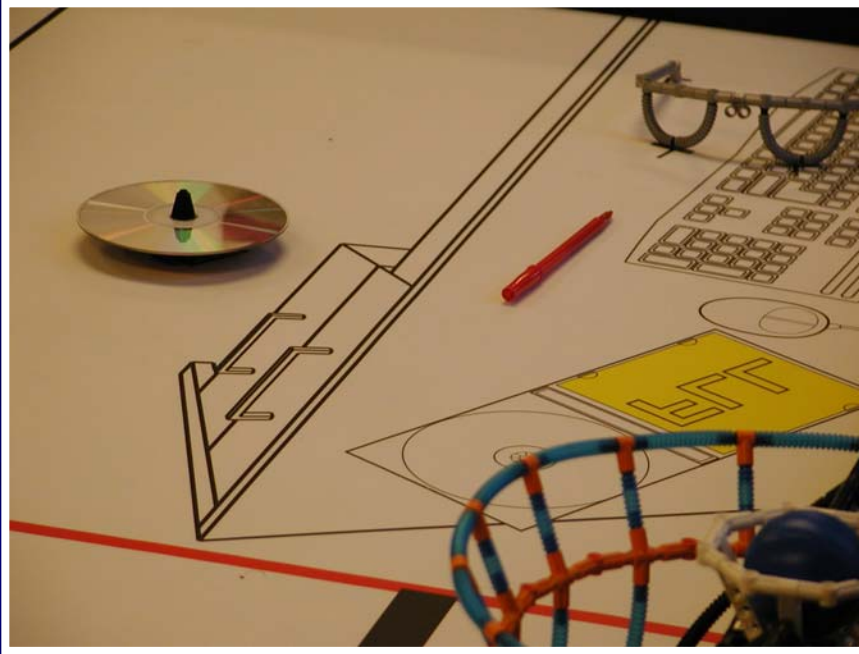


■ **Push in the Chairs:** The Robot must move each Chair as needed so that all four legs touch the oval carpet. Chairs that are knocked over are not worth points.

■ **10 Points Each**



- **Read the Bus Route Signs:** The white Bus route Sign will be randomly switched with one of the two red and black Signs before each Match. The Robot must clearly deflect the white Sign's flag only. No points are earned for this Mission if either red flag is deflected, and no points are earned if any Sign Holder is knocked off the Field Border.
- **35 Points**

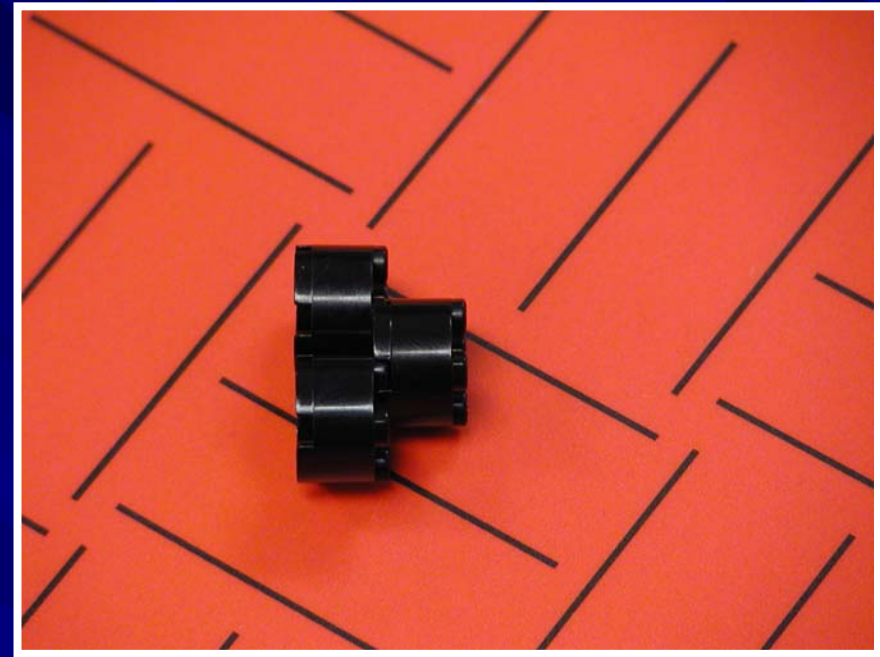
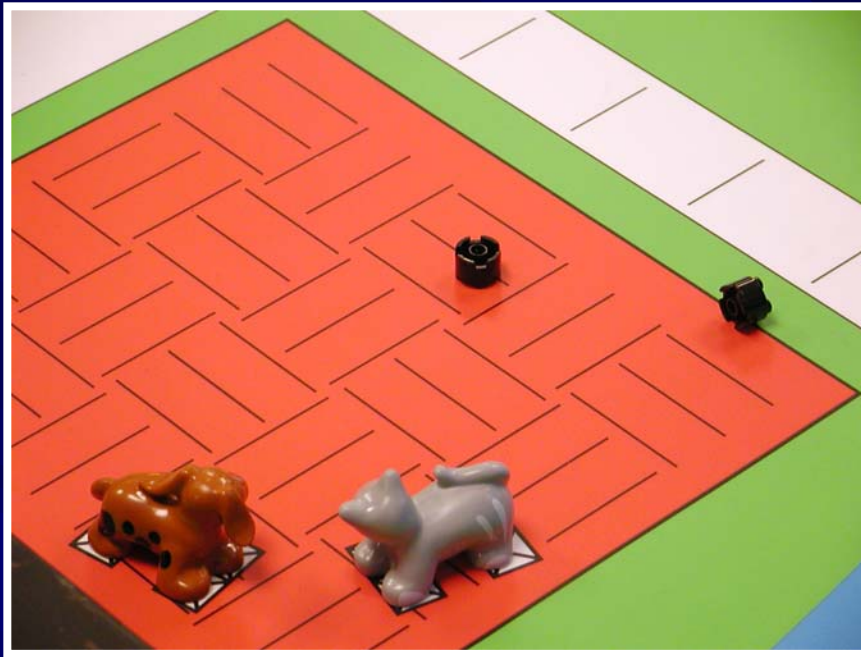


■ **Put the CD Away:** The Robot must move the CD so that it touches the CD case for full points or the top surface of the desk for partial points.

■ **40 Points (Full)**

■ **35 Points (Partial)**

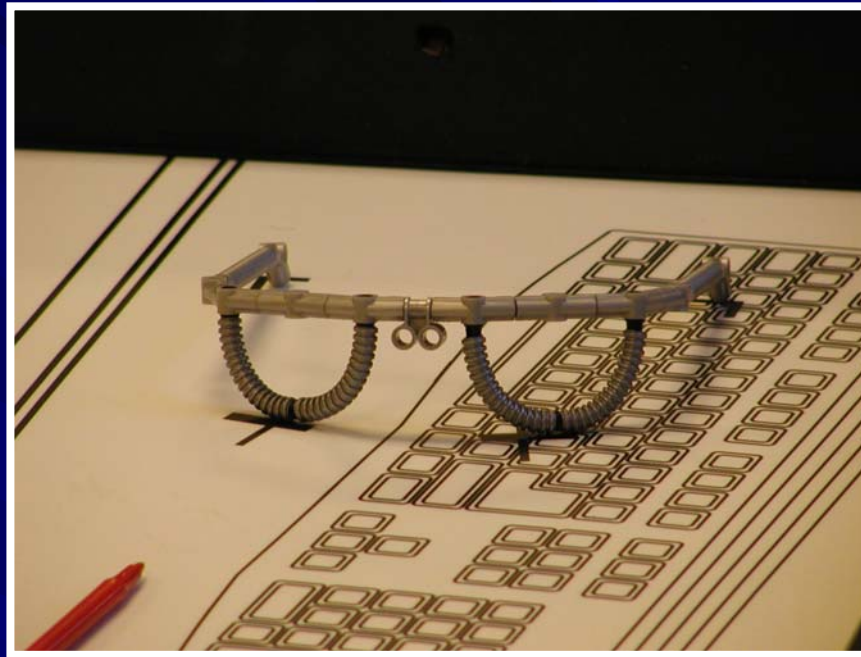




■ **Feed the Pets:** The Robot must move the three black pieces of Food from Base to the red brick patio. The Food can not be covered from above, and no points are earned if either pet comes off the patio.

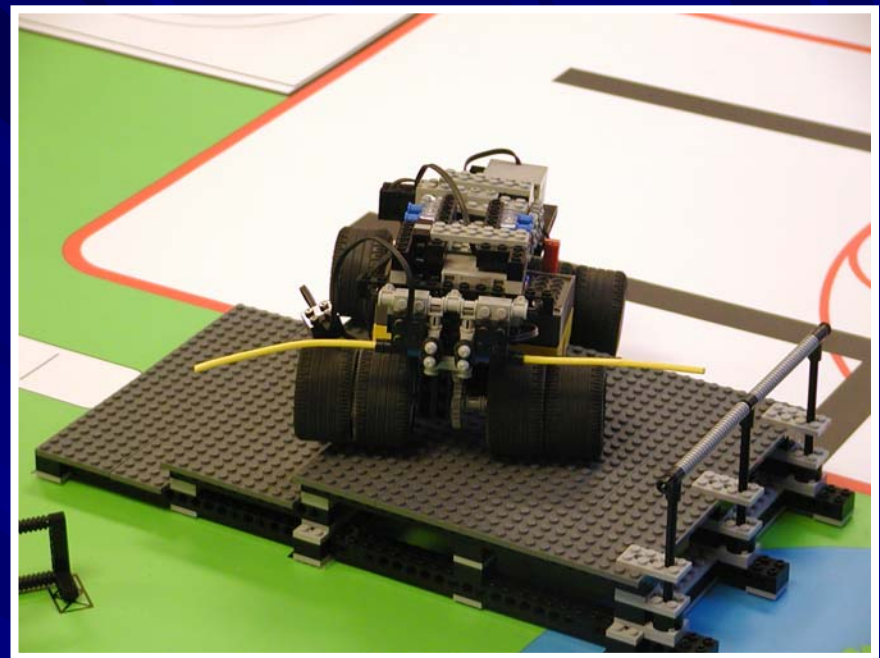
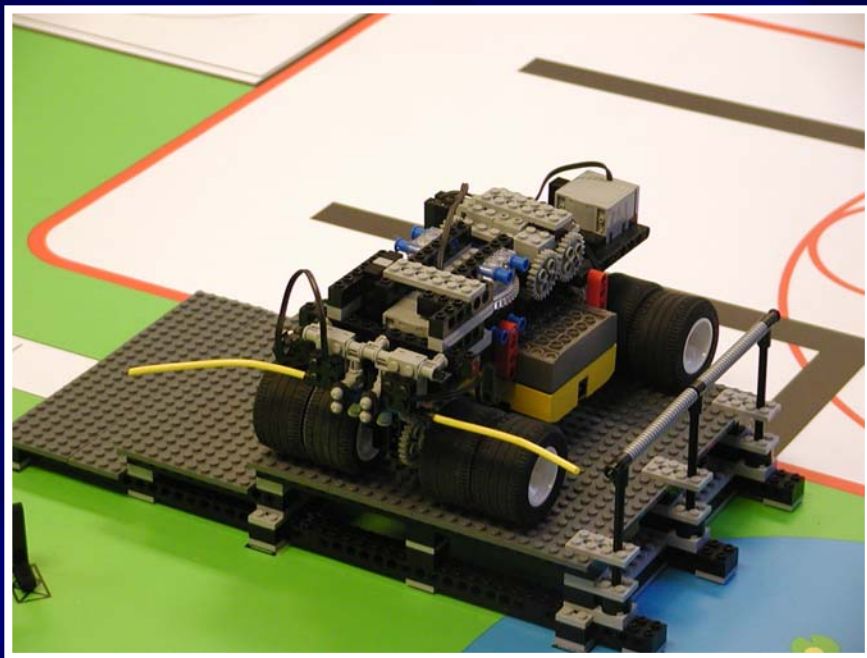
■ **15 Points Each**





■ **Remove the Glasses:** The Robot must move the Glasses to Base.

■ **40 Points**



- **Climb the Stairs:** The Robot must move itself onto the stairs and remain completely off the mat until the match ends. For full points, the Robot can only be touching the top step and the rail. For partial points, the Robot can be touching the lower steps. No points are earned if any part of the Robot is touching the mat. (NOTE: Your steps are **RED** not gray – picture of early demo set)
- **45 Points (Full)**
- **40 Points (Partial)**



■ **Bonus:** Any Balls on your side of the Field that are not in the Basket are worth points as Bonus Objects, whether or not they are in Base, and only these Balls are subject to Bonus Loss. Balls which have not left Base will be taken in preference over others.

■ **2 Points Each**